

PU Combi Injection Resins

**WEBAC® 1500** **CE**



**WEBAC®**

- WEBAC® 1500 is a CE-certified PU combi injection resin for stopping water and for sealing injections.

### Range of application

- Crack repair in concrete according to EN 1504-5 (CE-declaration of performance 2+)
- Crack repair in masonry
- Seepage in concrete
- Sealing injection in concrete and masonry
- Sealing of construction joints (gravel nests/honey combs)
- Filling of cavities/voids in masonry and concrete in case of water inrush
- Damp proof course (dpc) in masonry, specially in case of high water load classes
- Sealing of foundation pits

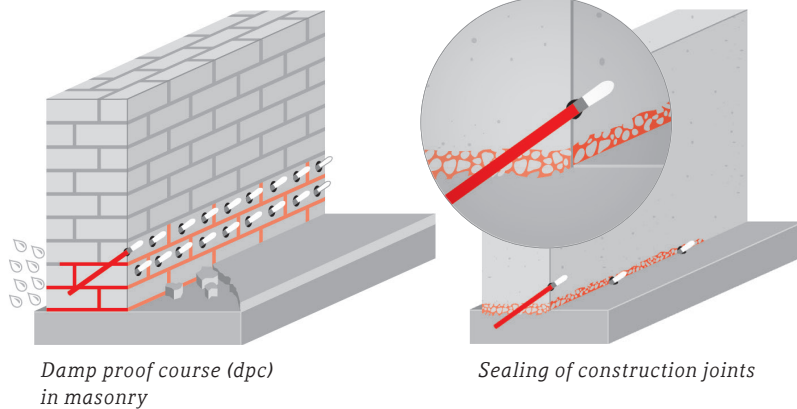
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### Properties

- Fast curing with and without water
- Fast sealing foam structure upon contact with water (pressing water)
- Low viscosity
- Elastic foam structure
- Fast curing – permanent sealing
- **WEBAC® B15** for a fast foam reaction
- Also suitable for use at low temperatures

### Examples



*Damp proof course (dpc)  
in masonry*

*Sealing of construction joints*

## ► Technical Information

All the data indicated in this technical data sheet and any related information provided by our employees are of an advisory nature representing our current state of knowledge and in no way binding. As the exact chemical, technical and physical conditions of the actual application are beyond WEBAC's control, this information does not preclude examination of the products and/or procedures for the intended application and surface by the user. WEBAC is thus unable to guarantee results. The user is fully responsible for the observation of existing regulations and conditions when using the products.  
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## PU Combi Injection Resins

# WEBAC® 1500 CE

Technical data	Values		
Mixing ratio	1 : 1 parts by volume		
Density, 20 °C / 68 °F (ISO 2811)	Comp. A Comp. B	≈ 1.0 g/cm <sup>3</sup> ≈ 1.1 g/cm <sup>3</sup>	
Pot life		20 °C / 68 °F Diaphragm pump ≈ 15 min	12 °C / 54 °F Piston pump ≈ 20 min ≈ 30 min
Application temperature Building structure and material	> 3 °C / 37 °F		
Viscosity of mixture	23 °C / 73 °F ≈ 450 mPa·s		
Foam reaction with 5% water Start • End • Expansion	21 °C / 70 °F ≈ 55 s • ≈ 3 min • ≈ 12-times		
Foam reaction with 10% water Start • End • Expansion	21 °C / 70 °F ≈ 55 s • ≈ 3.5 min • ≈ 10-times		
Elongation (EN 12618-1)	> 10%		
Adhesive strength (EN 12618-1)	≈ 0.3 N/mm <sup>2</sup>		
Shore hardness A (EN 868)	≈ 50/45		
CE classification (EN 1504-5)	U(D1) W(3) (1/2/3) (9/30)		
GISCODE	PU40		
EPD	EPD-DBC-20130047-IBG1-D		
Exposure scenarios according to REACH	Assessment of industry standard application		

The specified data are values determined under laboratory conditions and are subject to a certain fluctuation. Deviations are possible in practice depending on the respective object situation.



## Preparatory work

- ▶ See **WEBAC Brochures Sealing of Masonry and Crack Repair**



Sealing of Masonry



Crack Repair



## Mixing

### Application by 1C pump

- Empty component A and B at the given mixing ratio into a bucket (make sure that the containers are completely empty) and mix homogenously
- Transfer the mixed material to the hopper

### Application by 2C pump

- Fill component A and B into the respective hoppers
- The components are mixed homogeneously in the mixing head



## Application instruction

- Material is moisture-sensitive, contact with water (e.g. rain) must be avoided
- The mixture must be used completely within the specified pot life
- Make sure the filter in the hopper is clean
- Only use pure WEBAC material without any residues of cleaning agents or other impurity
- The reaction speed is influenced by the temperature of the material and the building structure – higher temperatures accelerate, lower temperatures slow down the reaction

Due to the heat development of the injection pump, the pot life of the material may be reduced. Once the material is noticeable warm, it must either be used immediately or removed from the hopper and pump.



## Application

- The injection pressure depends on the nature and condition of the building structure
- Continue the injection until resin leaks out from the masonry and/or from the adjacent packers. This is necessary to get an even material distribution
- A secondary injection should be carried out depending on the moisture condition and foam behavior



## Final work and cleaning

- Once the material has cured remove the packers
- Clean and close the drill holes with suitable non-shrinking mortar
- The patching can be removed as soon as the injection process is completed and the filling material is cured
- Clean the pump with **WEBAC® Cleaner A**
- Use **WEBAC® Cleaner B** for dissolving cured material but never for flushing pumps
- Observe the technical data sheet of the injection pump and cleaners used
- For detailed information refer to the operating manual of the injection pump used

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### Product data

<b>Application</b>	<ul style="list-style-type: none"> <li>Injection by 1C or 2C pump</li> </ul>	
<b>Packing</b>	<b>Comp. A</b> 9.65 kg	<b>Comp. B</b> 10.25 kg
<b>Storage</b>	<ul style="list-style-type: none"> <li>Between 5 °C / 41 °F and 30 °C / 86 °F</li> <li>Protect from moisture</li> <li>In original, sealed containers</li> </ul>	
<b>Compatibility/Resistance</b>	<ul style="list-style-type: none"> <li>Compatible with masonry mortar, concrete, steel, foil, cable sheathing, metal and WEBAC injection materials</li> <li>Resistant to harmful salts, alkalis and acids in common concentrations in building structures</li> </ul>	

### Test certificates

- Declaration of performance according to Construction Products Regulation
- Test certificate\* according to German Federal Environmental Agency: Repair system for containers

### Occupational safety

The safety regulations of the industrial trade associations and the WEBAC Safety Data Sheets are to be observed at all times when working with this product. Safety data sheets according to Regulation (EC) No. 1907/2006 (REACH) must be accessible to all persons responsible for occupational safety, health protection and the handling of materials. For further information, please see the separate information sheet "Occupational Safety" in our product catalog or [www.webac-grouts.com](http://www.webac-grouts.com).

### Waste disposal

In Germany, empty containers can be disposed of via "Interseroh Dienstleistungs GmbH" observing the respective terms and conditions. It is not possible to dispose of containers at production facilities or delivery warehouses. For more detailed information, please see the separate information sheet "Information on the disposal and return of WEBAC packaging" in our product catalog or [www.webac-grouts.com](http://www.webac-grouts.com) and the safety data sheets.

\* for drinking water

## ► Technical Information